

CLAIMS

What is claimed is:

1. A display device comprising:
 - an A/D (Analog/Digital) converter receiving and converting an analog personal computer (PC) signal into a digital signal;
 - a decoder receiving and decoding external input signals from an external signal inputter and outputting the external input signals as a digital signal;
 - a video processor which performs a PIP (Picture In Picture) signal process displaying one of the converted PC signal and the decoded external input signal as a main screen and the other one as a sub main screen, thereby enabling the converted PC signal and the decoded external input signal to be displayable on a display;
 - a memory storing different display property values setup depending on the external signal inputter; and
 - a controller controlling the PIP signal process of the video processor based on an external signal, reading the display property values from the memory, and controlling the decoded external input signal depending on the read display property values.
2. The display apparatus according to claim 1, further comprising a user interface setting up a type of the external signal inputter.
3. The display apparatus according to claim 1, wherein the user interface sets up the display property values.
4. The display apparatus according to claim 3, wherein the user interface comprises an OSD (On Screen Display).
5. The display apparatus according to claim 2, wherein the user interface sets up the display property values.
6. The display apparatus according to claim 5, wherein the user interface comprises an OSD.

7. An image processing method of the display apparatus having an A/D (Analog/Digital) converter receiving a PC signal from a PC and converting into a digital signal; a decoder receiving external input signals from an external signal inputter and converting into the digital signal and decoding it, and a video processor which performs a PIP (Picture In Picture) signal process displaying one of the PC signal converted and the decoded external input signal as a main screen and the other one as a sub main screen, thereby enabling the converted PC signal and the decoded external input signal to be displayable on a display, the image processing method comprising:

- storing display property values depending on the external signal inputter;
- selecting the external signal inputter;
- reading the display property values of the selected external signal inputter; and
- converting the decoded external input signal following the read display property values.

8. The image processing method of the display apparatus according to claim 7, wherein the storing the display property values depending on the external signal inputter is done by a user's selection.

9. The image processing method of the display apparatus according to claim 8, wherein the storing the display property values and the selecting the external signal inputter are done by an OSD (On Screen Display) button provided on a monitor.

10. An image processing system comprising:

- a video inputter receiving a first video signal;
- an external inputter receiving a second video signal;
- a memory receiving and storing display property values in response to input selection commands from a user corresponding to the first video signal and the second video signal;
- a video processor receiving the first video signal from the video inputter and the second video signal from the external inputter, wherein the video processor generates a combined video signal that includes portions of the first and second video signals and the portions corresponding to the first and second video signal each retain the separate display property values;

a display receiving the combined video signals from the video processor and displaying the combined video signals, wherein the combined video signals have portions with different display properties corresponding to display property values selected by the user; and

a controller controlling the video processor to display the combined video signals with the different display properties that correspond to the first video signal and the second video signal.

11. The system according to claim 10, further comprising:
an on screen display to present display property value selections on the display; and
an input part, wherein the user inputs selection commands corresponding to the display property values selected.

12. The system according to claim 10, further comprising:
a touch screen, wherein the user inputs selection commands, corresponding to the display property values, by the touch screen.

13. A system for simultaneously displaying video images resulting from a plurality of video signals, comprising:

a video processor receiving a first video signal and a second video signal, wherein the video processor generates an image signal that includes portions of the first video signal and the second video signal and each of the portions retains a first display property setting and a second display property setting respectively;

a display receiving and displaying the image signal from the video processor, wherein the portion of the image signal corresponding to the first video signal includes the first display property setting and the portion of the image signal corresponding to the second video signal includes the second display property setting; and

a controller controlling the video processor to display the combined video signals with the different display properties that correspond to the first video signal and the second video signal.

14. The system according to claim 13, further comprising a memory receiving and storing default display property values corresponding to a video signal source corresponding to the second video signal.

15. The system according to claim 13, further comprising a memory receiving and storing display property values in response to input selection commands from a user corresponding to the first video signal and the second video signal.

16. The system according to claim 15, further comprising a user interface, wherein the user enters the input selection commands corresponding to display property values.

17. The system according to claim 16, wherein the user interface includes an on screen display.

18. The system according to claim 16, wherein the user interface includes a touch screen.

19. The system according to claim 13, wherein the video processor generates the image signal so that one of the first video signal and the second video signal is a main display screen and the remaining first and second video signal is a sub display screen.

20. A method of displaying a combined video signal from two separate video signals, comprising:

- receiving a first video signal from a first source;
- receiving a second video signal from a second source;
- generating a combined video signal that includes at least a portion of the first and second video signals, wherein the first and second video signals have different display properties applied to the first and second video signals respectively; and
- displaying the combined video signal as an image on a display.

21. The method according to claim 20, further comprising:
receiving a user input selection command corresponding to display properties associated with the second source.

22. The method according to claim 20, further comprising:
storing a plurality of display property values corresponding to the second source; and

reading the stored display property values and generating the combined image signal based on the read display property values.

23. The method according to claim 20, wherein displaying the combined image includes displaying one of the portion of the first video signal and the second video signal as a main screen and the other first video and second video signal as a sub screen.